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CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

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U.S. Department of Commerce
BUREAU OF THE CENSUS

FEBRUARY 1982
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(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in February increased $1.4 billion or 0.9 percent to $158.6 billion the Department of Commerce, Bureau of the Census reported today. This is the first increase in orders since a 0.6 percent increase in November and the second since last July. The February increase in new orders was caused mostly by a $1.0 billion increase in orders for defense capital goods. Excluding the defense capital goods category, new orders were up $0.4 billion or 0.3 percent.

Shipments of manufactured goods increased in February $2.7 billion or 1.7 percent to $159.7 billion. This is the first increase in shipments since last June when they were valued 7.4 percent higher at $171.5 billion.

The February increase in new orders was concentrated in the durable goods industries. Orders for transportation equipment were up $1.1 billion or 6.0 percent to $18.9 billion. Nearly three-fourths of that increase was attributed to the motor vehicle and parts industry, where for the automotive assembly portion new orders equal shipments for the month. New orders for fabricated metal products were up $0.6 billion or 6.7 percent to $9.5 billion.

The largest decrease in new orders was in the primary metals industry where orders have been falling since last July. February orders were down $0.6 billion or 6.2 percent to $8.6 billion. Most of the February decline was caused by the steel industry which fell $0.5 billion or 10.7 percent to $3.9 billion.

Within the capital goods categories, new orders for nondefense capital goods in February declined $0.5 billion or 2.1 percent to $21.5 billion, while orders for defense capital goods increased $1.0 billion or 13.7 percent to $8.3 billion. New orders for household durables declined $0.1 billion or 2.3 percent to $4.8 billion.

The increases in manufacturers shipments in February were widespread. Within the durable goods sector the largest increases occurred in the transportation equipment and nonelectrical machinery categories. Shipments by the automotive industry were up $1.0 billion or 10.7 percent to $10.0 billion, but substantially below the peak of $13.4 billion reached last July. Increases in shipments of farm machinery, construction equipment, and office and store machines contributed to the $0.9 billion or 5.7 percent increase in nonelectrical machinery shipments.

Within the nondurable goods sector shipments increases were reported in all industries except petroleum products. The increase in nondurable goods shipments of $0.6 billion or 0.8 percent to $79.7 billion was minimized due to a $1.0 billion or 6.4 percent decline in the petroleum products industry. Excluding that industry, nondurable goods shipments were up 2.5 percent for the month.

The unfilled orders level of manufacturers declined in February $1.1 billion or 0.3 percent to $319.0 billion. For the last several months the backlog data have been heavily influenced by increases in orders for defense capital goods. Excluding the defense area, the unfilled orders levels of manufacturers have been declining since July at an average rate of 1.2 percent per month. The July level was $252.3 billion.

The book value of manufacturers inventories in February increased slightly, following 2 months of declines. At the end of February, inventories were valued at $276.6 billion, up $0.7 billion or 0.2 percent from January. The inventory level of nondurable goods manufacturers increased $0.5 billion or 0.5 percent to $91.6 billion, mostly due to an increase in petroleum inventories of $0.3 billion. Excluding the petroleum products industry, inventories of nondurable manufacturers also showed little change from January.

The inventory to shipments ratio for February dropped to 1.73 from 1.76 last month. Prior to this, the ratio had shown little change since October.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for March is scheduled for release on April 21, 1982, and the full report is scheduled for release on April 30, 1982.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]									
		Monthly				Quarterly			Monthly								Annual	
									Last 4 months				Last 4 months a year ago					
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	IV 1981	III 1981	II 1981	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980	1981	1980
	TOTALS																	
	All manufacturing industries.....	159,672	156,976	161,081	161,979	437,145	508,423	506,512	161,115	145,052	155,673	161,275	167,163	152,094	157,597	161,492	1,997,775	1,845,934
	Manufacturing industries excluding transportation.....	143,127	141,729	143,654	145,176	435,717	451,069	447,982	144,227	131,051	139,004	143,842	149,456	136,559	140,945	143,236	1,778,014	1,654,546
	Manufacturing industries with unfilled orders.....	84,791	82,979	85,591	86,346	258,493	268,852	266,373	85,265	75,828	83,594	85,774	87,688	78,356	82,996	84,366	1,054,826	967,077
	Durable goods industries.....	79,944	77,855	81,146	81,641	245,370	260,339	261,761	80,365	70,440	78,345	80,945	84,746	75,385	79,978	82,459	1,019,879	936,030
	Durable goods with unfilled orders.....	67,821	66,443	68,641	69,331	207,622	217,285	215,863	68,206	60,261	67,313	68,622	70,896	63,132	67,673	68,457	852,225	782,636
	Nondurable goods industries.....	79,728	79,121	79,935	80,338	241,775	248,084	244,751	80,750	74,612	77,328	80,330	82,416	76,709	77,619	79,033	977,896	909,903
	Nondurable goods with unfilled orders.....	16,970	16,536	16,950	17,015	50,871	51,567	50,510	17,059	15,567	16,281	17,152	16,792	15,224	15,323	15,909	202,600	184,441
	MARKET CATEGORIES																	
	Home goods and apparel.....	11,765	11,179	11,088	11,793	34,852	37,409	37,089	11,753	9,585	9,721	12,435	12,178	10,203	10,116	12,256	145,530	135,305
	Consumer staples.....	29,766	28,854	28,551	28,506	85,721	87,405	86,554	29,743	26,753	28,409	29,098	28,791	26,796	28,946	28,727	345,664	329,447
	Equipment and defense products, except automotive.....	25,929	24,509	27,045	26,236	78,444	77,437	76,364	25,999	22,055	28,253	25,459	24,483	21,792	25,159	23,443	306,690	277,289
	Automotive equipment.....	11,649	10,608	11,678	11,600	35,720	42,296	43,191	11,861	9,928	10,313	12,133	12,975	11,440	11,288	13,234	158,828	134,879
	Construction materials, supplies, and intermediate products.....	11,204	11,333	11,392	11,564	34,881	37,353	38,564	10,526	9,412	10,508	11,343	12,236	10,827	11,854	12,558	149,928	143,458
	Other materials, supplies, and intermediate products.....	69,359	70,493	71,327	72,280	217,527	226,523	224,749	71,233	67,319	68,469	70,807	76,500	71,036	70,235	71,274	891,128	825,553
	SUPPLEMENTARY SERIES[2]																	
	Household durable goods industries.....	4,926	4,880	4,921	5,128	15,243	16,146	16,241	4,866	4,154	4,583	5,308	5,276	4,377	4,626	5,186	63,343	58,493
	Capital goods industries.....	28,558	27,017	29,377	28,935	86,183	85,974	84,469	28,898	24,466	30,697	28,444	27,367	24,184	27,899	26,441	338,562	308,368
	Nondefense.....	24,010	22,791	24,750	24,433	72,717	73,112	72,453	24,387	20,565	25,841	24,007	23,532	20,892	24,026	22,738	288,611	267,210
	Defense.....	4,548	4,226	4,627	4,502	13,466	12,862	12,017	4,511	3,901	4,856	4,437	3,834	3,291	3,873	3,703	49,948	41,158
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass products.....	3,831	3,877	3,822	3,860	11,527	12,278	12,680	3,547	3,239	3,400	3,824	3,903	3,476	3,665	3,977	49,051	45,518
322	Glass containers.....	481	505	481	494	1,467	1,527	1,567	461	458	441	476	447	419	415	405	5,943	4,923
33	Primary metals.....	9,838	10,542	9,803	10,635	31,503	35,561	35,325	10,136	9,728	9,090	10,114	12,253	11,353	10,981	11,190	137,970	134,051
331	Blast furnaces, steel mills..	4,963	5,407	5,144	5,518	16,372	18,268	18,482	5,142	4,958	4,779	5,154	6,108	5,765	5,639	5,556	70,933	62,481
333-9	Nonferrous and other primary metals.....	3,950	4,196	3,828	4,152	12,348	14,018	13,454	4,052	3,906	3,568	3,999	4,959	4,505	4,336	4,519	54,039	58,485
34	Fabricated metal products.....	9,498	9,186	9,440	9,494	23,923	31,265	31,644	9,402	8,328	8,850	9,297	10,405	9,263	10,010	10,232	123,117	116,868
341	Metal cans, barrels, and drums.....	864	882	872	812	2,481	2,441	2,488	817	726	696	671	856	720	737	695	9,991	10,199
35	Machinery, except electrical...	17,308	16,367	17,417	17,446	51,787	51,669	50,914	17,599	14,843	17,959	16,675	16,982	15,160	16,545	15,349	204,644	182,837
351	Engines and turbines.....	1,292	1,359	1,319	1,492	4,204	4,404	4,101	1,398	1,278	1,320	1,399	1,358	1,294	1,193	1,154	16,447	13,839
352	Farm machinery and equipment.	1,017	894	1,168	1,151	3,501	3,817	3,800	1,094	846	954	935	1,221	1,195	1,011	1,001	14,748	13,699
353	Construction, mining, and material-handling equipment.	3,454	3,151	3,605	3,588	10,576	10,166	9,856	3,537	3,024	3,414	3,333	3,339	3,069	2,917	2,729	40,166	35,287
354	Metalworking machinery.....	961	1,007	871	911	2,783	2,989	2,910	1,005	889	915	885	1,056	857	1,045	972	11,636	11,185
356	General industrial machinery.	1,447	1,404	1,485	1,480	4,439	4,383	4,282	1,488	1,258	1,476	1,409	1,374	1,130	1,376	1,295	17,174	15,987

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]									
		Monthly				Quarterly			Monthly								Annual	
									Last 4 months				Last 4 months a year ago					
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	IV 1981	III 1981	II 1981	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980	1981	1980
	INDUSTRY GROUPS AND INDUSTRIES--Continued																	
	Durable goods and industries--Continued																	
36	Electrical machinery	11,272	11,066	11,159	11,433	33,854	35,062	34,649	11,521	10,276	11,012	11,583	11,293	9,986	10,596	11,201	136,583	125,907
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,771	1,782	1,887	1,903	5,658	5,901	5,738	1,903	1,708	1,783	1,873	1,903	1,640	1,821	1,879	22,697	21,869
363	Household appliances	981	994	953	1,058	3,031	3,291	3,459	990	843	876	992	1,140	1,008	999	1,066	13,179	12,462
365	Radio and TV	807	816	846	802	2,486	2,765	2,859	814	678	868	961	919	721	800	1,019	10,777	9,002
366	Communication equipment	3,375	3,261	3,175	3,242	9,662	9,825	9,507	3,376	3,018	3,282	3,213	2,974	2,656	2,862	2,862	37,863	33,570
367	Electronic components	2,355	2,335	2,418	2,357	7,018	7,124	6,930	2,426	2,239	2,293	2,367	2,402	2,157	2,224	2,376	27,955	26,997
37	Transportation equipment	16,545	15,247	17,427	16,803	51,428	57,354	58,531	16,888	14,001	16,669	17,433	17,706	15,535	16,653	18,256	219,761	191,387
371	Motor vehicles and parts	9,973	9,013	10,018	10,018	30,722	36,731	37,622	10,271	8,534	8,939	10,670	11,236	9,980	9,860	11,594	137,404	114,909
372,6	Aircraft, missiles, and parts	4,363	4,371	5,408	4,789	14,747	14,218	14,459	4,471	3,790	5,678	4,826	4,354	3,738	4,751	4,678	57,171	51,007
3731, 3795	Shipbuilding and military tank vehicles	1,308	1,076	1,163	1,216	3,474	3,616	3,520	1,221	981	1,301	1,214	1,068	990	1,129	1,018	13,969	12,606
38	Instruments and related products	3,917	3,920	4,241	4,146	12,628	12,812	12,495	3,823	3,532	4,237	4,251	4,027	3,641	4,059	4,104	50,233	45,993
381-4	Scientific and engineering	2,275	2,277	2,544	2,455	7,550	7,508	7,208	2,282	2,150	2,542	2,445	2,325	2,221	2,384	2,308	29,417	26,570
386	Photographic goods	1,412	1,413	1,451	1,402	4,282	4,442	4,367	1,314	1,180	1,472	1,509	1,413	1,183	1,422	1,532	17,364	16,273
24, 25, 39	All other durable goods industries	7,735	7,650	7,837	7,824	23,720	24,338	25,524	7,449	6,493	7,128	7,768	8,177	6,971	7,471	8,150	98,503	93,464
	Nondurable goods industries:																	
20	Food and kindred products	22,454	21,914	21,296	21,493	64,866	67,512	67,307	22,642	20,361	21,343	21,900	22,348	20,901	22,383	22,574	266,111	254,745
201	Meat products	5,286	5,395	5,319	5,506	16,407	17,322	16,070	5,350	5,249	5,383	5,550	5,243	5,241	5,400	5,309	65,465	58,798
208	Beverages	3,194	3,078	2,906	2,779	8,583	8,948	9,124	2,824	2,573	2,627	2,824	2,571	2,400	2,555	2,891	35,316	33,985
207	Fats and oils	1,702	1,632	1,774	1,665	5,185	5,375	5,189	1,808	1,614	1,749	1,717	1,762	1,771	1,752	1,830	20,966	19,177
203-6,9	All other foods	9,126	8,751	8,243	8,451	25,446	26,509	27,271	9,473	7,990	8,573	8,680	9,711	8,633	9,773	9,602	107,017	108,323
21	Tobacco products	1,190	1,182	1,193	1,173	3,465	3,592	3,283	1,121	1,135	1,218	1,199	1,058	1,037	1,159	1,091	13,623	12,466
22	Textile mill products	4,011	3,797	3,875	3,934	11,870	13,337	13,012	3,974	3,431	3,703	4,001	4,130	3,684	3,689	3,902	50,682	46,167
26	Paper and allied products	6,501	6,500	6,553	6,533	19,575	19,476	19,354	6,601	6,250	5,993	6,347	6,679	6,036	5,855	5,980	77,745	71,660
261-3	Pulp, paper, etc	2,886	2,797	2,819	2,906	8,548	8,674	8,480	2,936	2,661	2,632	2,851	2,898	2,610	2,646	2,689	34,182	31,932
265	Paperboard containers	1,637	1,572	1,580	1,675	4,845	4,999	4,970	1,650	1,481	1,436	1,630	1,664	1,486	1,420	1,482	19,657	17,880
264	All other paper products	1,978	2,131	2,154	1,952	6,182	5,803	5,904	2,015	2,108	1,925	1,866	2,116	1,939	1,789	1,809	23,904	21,847
28	Chemicals and allied products	15,154	15,079	15,794	15,328	46,175	46,406	44,875	15,479	14,238	14,800	14,477	15,250	14,074	14,609	13,619	182,343	167,099
281,6	Industrial chemicals, except pigments	4,879	4,906	5,171	5,128	15,544	16,229	16,135	5,084	4,709	4,949	4,785	5,604	4,979	5,278	4,885	63,999	59,967
283,4	Drugs, soap, and toiletries	4,114	3,825	4,247	3,903	11,857	11,382	10,998	4,176	3,645	4,056	3,798	3,952	3,781	3,984	3,572	45,891	44,890
29	Petroleum and coal products	14,142	15,112	15,542	15,830	47,851	48,313	48,730	14,457	15,136	15,846	15,778	17,091	16,866	15,880	15,653	194,703	176,598
30	Rubber and plastics products, n.e.c.	3,749	3,673	3,698	3,642	11,285	12,056	11,886	3,891	3,387	3,329	3,525	3,869	3,617	3,530	4,027	46,640	48,060
23, 27, 31	All other nondurable goods industries	12,527	11,864	11,984	12,405	36,688	37,392	36,304	12,585	10,674	11,096	13,103	11,992	10,495	10,513	12,187	146,030	133,105

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]									
		Monthly				Quarterly			Monthly								Annual	
									Last 4 months				Last 4 months a year ago					
		Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981	IV 1981	III 1981	II 1981	Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980	1981	1980
	TOTALS																	
	All manufacturing industries.....	158,593	157,202	159,469	159,923	478,397	511,118	508,837	160,826	149,402	154,967	158,259	169,653	157,134	161,700	160,864	1,998,049	1,860,706
	Manufacturing industries excluding transportation.....	139,646	139,335	143,398	144,494	431,117	451,207	450,989	142,929	131,760	139,220	141,759	151,894	139,654	144,019	143,471	1,777,241	1,658,030
	Manufacturing industries with unfilled orders.....	83,712	83,205	83,979	84,290	249,745	271,547	268,697	84,976	80,178	82,888	82,758	90,178	83,396	87,098	83,738	1,055,099	981,849
	Durable goods industries.....	79,418	78,108	79,764	79,956	237,524	263,324	263,647	80,651	74,493	77,825	78,472	86,993	80,159	83,964	82,107	1,020,808	951,169
	Durable goods with unfilled orders.....	67,295	66,696	67,259	67,646	199,776	220,270	217,748	68,492	64,314	66,793	66,149	73,143	67,906	71,658	68,105	853,154	797,775
	Nondurable goods industries.....	79,175	79,094	79,705	79,967	240,873	247,794	245,190	80,175	74,909	77,142	79,787	82,659	76,974	77,736	78,757	977,240	909,536
	Industries with unfilled orders.....	16,417	16,509	16,720	16,644	49,969	51,277	50,949	16,484	15,864	16,095	16,609	17,036	15,490	15,440	15,633	201,943	184,073
	Industries without unfilled orders.....	62,758	62,585	62,985	63,323	190,904	196,517	194,241	63,691	59,045	61,047	63,178	65,624	61,485	62,296	63,124	775,294	725,462
	MARKET CATEGORIES																	
	Home goods and apparel.....	11,565	11,177	10,989	11,556	34,123	37,402	37,187	11,704	9,586	9,477	12,018	12,602	10,329	10,044	12,000	145,479	134,892
	Consumer staples.....	29,796	28,840	28,493	28,547	85,695	87,480	86,647	29,771	26,831	28,338	29,111	28,773	26,897	28,946	28,697	345,823	329,505
	Equipment and defense products, except automotive.....	27,357	27,659	25,647	26,956	75,828	79,749	75,996	27,456	26,411	27,333	25,318	25,004	25,517	28,824	22,722	310,210	291,959
	Automotive equipment.....	11,386	10,513	11,805	11,171	35,466	42,166	43,163	11,574	10,008	10,403	11,762	13,148	11,668	11,326	13,460	158,721	133,322
	Construction materials, supplies, and intermediate products.....	10,921	10,778	11,033	11,698	34,302	37,117	38,764	10,297	9,110	10,194	11,285	12,249	10,914	11,875	12,391	149,162	142,790
	Other materials, supplies, and intermediate products.....	67,568	68,235	71,502	69,995	212,983	227,204	227,079	70,024	67,456	69,222	68,765	77,877	71,809	70,685	71,594	888,643	828,235
	SUPPLEMENTARY SERIES[2]																	
	Household durable goods industries.....	4,789	4,902	4,836	4,873	14,519	16,150	16,347	4,879	4,181	4,373	4,889	5,735	4,504	4,581	4,909	63,333	58,182
	Capital goods industries.....	29,816	29,280	28,552	28,663	82,041	89,747	86,133	30,040	28,636	29,810	28,089	27,853	28,690	30,540	25,953	344,264	326,752
	Nondefense.....	21,511	21,974	22,518	23,813	67,327	71,952	71,818	22,821	21,164	23,040	22,285	22,520	24,068	24,899	21,742	281,618	270,571
	Defense.....	8,305	7,306	6,034	4,850	14,714	17,795	14,315	7,219	7,472	6,770	5,804	5,333	4,621	5,641	4,211	62,641	56,181
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass.....	3,785	3,649	3,838	3,924	11,661	12,110	12,686	3,519	3,147	3,409	3,816	3,944	3,517	3,618	3,928	48,859	45,221
33	Primary metals.....	8,582	9,153	9,378	10,032	29,580	35,490	34,964	9,549	9,455	9,866	9,285	13,042	10,926	12,094	11,709	134,411	134,057
331	Blast furnaces, steel mills..	3,944	4,419	4,949	5,124	15,180	18,540	18,453	4,713	4,615	5,399	4,792	6,874	5,500	6,228	6,283	69,519	63,212
333-5,9	Nonferrous and other primary metal products.....	3,875	3,857	3,698	4,036	11,678	13,656	13,322	4,031	3,971	3,780	3,623	5,142	4,369	4,808	4,302	52,465	58,694
34	Fabricated metal products.....	9,456	8,862	9,270	9,262	27,814	30,759	31,877	9,313	8,236	8,711	8,909	10,447	9,377	10,232	10,105	121,692	115,993
35	Machinery, except electrical...	15,429	15,391	17,605	17,472	51,061	51,532	51,889	16,702	14,408	17,792	16,525	17,256	16,806	17,915	15,493	204,948	182,782
351	Engines and turbines.....	1,455	1,183	1,730	1,276	4,396	4,343	4,335	1,536	1,032	1,767	1,058	1,214	1,646	1,160	1,177	17,146	13,329
353	Construction, mining, and material-handling equipment.	2,832	2,969	3,271	3,613	9,955	10,520	11,085	3,055	2,833	3,323	3,193	3,662	3,520	3,358	2,743	42,130	35,673
354	Metalworking machinery.....	690	774	467	645	1,877	2,267	2,333	758	662	457	623	910	863	933	773	9,183	11,028
356	General industrial machinery.	1,358	1,405	1,460	1,350	4,361	4,504	4,526	1,457	1,351	1,378	1,300	1,381	1,382	1,261	1,311	17,581	15,186

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]									
		Monthly				Quarterly			Monthly								Annual	
									Last 4 months				Last 4 months a year ago					
		Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981	IV 1981	III 1981	II 1981	Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980	1981	1980
	INDUSTRY GROUPS AND INDUSTRIES--Continued																	
	Durable goods industries--Continued																	
36	Electrical machinery.....	11,325	11,506	11,650	11,873	33,893	36,462	36,281	12,144	11,419	11,120	11,589	12,047	11,215	10,573	11,426	140,846	130,744
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,627	1,830	1,917	1,989	5,400	5,937	5,770	1,842	1,797	1,747	1,889	2,039	1,953	1,820	1,739	22,892	22,221
363	Household appliances.....	939	996	963	1,072	2,981	3,249	3,477	970	891	891	969	1,185	1,029	995	1,031	13,116	12,518
365	Radio and TV.....	743	830	884	766	2,258	3,083	2,754	823	650	877	836	1,099	728	860	821	10,884	8,973
366	Communication equipment.....	3,614	3,619	3,397	3,659	10,020	11,105	10,704	3,854	3,850	3,443	3,431	3,157	3,500	3,228	3,412	41,578	38,248
367	Electronic components.....	2,426	2,320	2,620	2,319	7,262	6,959	7,405	2,656	2,421	2,294	2,305	2,577	2,115	1,841	2,409	28,201	26,845
37	Transportation equipment.....	18,947	17,867	16,071	15,429	47,280	59,911	57,848	17,897	17,642	15,747	16,500	17,758	17,479	17,681	17,393	220,808	202,676
372,6	Aircraft, missiles, and parts.....	6,873	6,626	4,657	3,966	12,055	16,839	13,663	5,722	6,942	5,543	4,392	4,105	5,395	5,240	3,969	59,381	63,658
3731 3795	Shipbuilding and military tank vehicles.....	1,393	1,536	606	1,188	2,558	3,966	3,996	1,183	1,388	570	1,185	1,384	1,252	1,708	812	14,296	15,408
38	Instruments and related products.....	4,162	3,893	4,111	4,378	12,722	12,822	12,540	4,023	3,517	4,204	4,336	4,058	3,669	4,306	3,971	50,403	46,380
24 25 39	All other durable goods industries.....	7,732	7,787	7,841	7,586	23,513	24,238	25,563	7,504	6,669	6,976	7,512	8,440	7,170	7,544	8,082	98,826	93,314

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; opthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries; Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted									Not seasonally adjusted[1]							
		Monthly				Quarterly					Monthly							
											Last 4 months				Last 4 months a year ago			
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	III 1981	II 1981	I 1981	IV 1980	III 1980	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980
	TOTALS																	
	All manufacturing industries.....	319,015	320,091	319,865	321,478	328,613	325,918	323,602	319,729	315,027	321,991	322,284	317,931	318,635	325,192	322,700	317,661	313,558
	Manufacturing industries excluding transportation.....	200,065	203,545	205,938	206,195	210,540	210,403	207,405	206,686	200,514	201,972	203,272	202,562	202,344	208,873	206,435	203,339	200,265
	Durable goods industries.....	309,341	309,863	309,611	310,995	317,460	314,477	312,598	308,815	304,133	312,256	311,975	307,918	308,436	314,017	311,769	306,995	303,009
	Nondurable goods industries.....	9,674	10,228	10,254	10,483	11,153	11,441	11,005	10,913	10,895	9,735	10,309	10,013	10,199	11,175	10,931	10,666	10,549
	MARKET CATEGORIES																	
	Home goods and apparel.....	3,977	4,145	4,163	4,320	4,921	4,854	4,664	3,988	4,085	3,854	3,877	3,796	4,111	4,320	3,915	3,688	3,760
	Equipment and defense products, except automotive.....	194,459	193,293	190,237	191,510	193,108	190,926	191,324	186,876	183,272	195,854	194,690	190,252	191,082	191,486	190,791	186,838	183,134
	Construction materials, supplies, and intermediate products.....	15,955	16,237	16,791	17,151	17,371	17,607	17,409	17,587	17,399	15,951	16,178	16,480	16,794	17,348	17,335	17,248	17,227
	Other materials, supplies, and intermediate products.....	104,624	106,416	108,674	108,497	113,213	112,531	110,206	111,277	110,270	106,332	107,539	107,403	106,648	112,037	110,659	109,887	109,437
	SUPPLEMENTARY SERIES[2]																	
	Household durable goods industries.....	2,892	3,028	3,007	3,093	3,735	3,732	3,628	2,954	3,084	2,735	2,723	2,693	2,904	3,294	2,834	2,707	2,752
	Capital goods industries.....	225,137	223,879	221,617	222,442	225,758	221,984	220,323	216,028	214,413	227,125	225,987	221,815	222,701	221,103	220,617	216,111	213,470
	Nondefense.....	137,420	139,919	140,737	142,969	146,126	147,288	147,924	147,673	147,300	138,513	140,080	139,479	142,280	148,635	149,647	146,471	145,598
	Defense[3].....	87,717	83,960	80,880	79,473	79,632	74,696	72,398	68,355	67,113	88,612	85,907	82,336	80,421	72,468	70,970	69,640	67,872
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass.....	1,983	2,029	2,257	2,241	2,124	2,292	2,288	2,460	2,426	1,982	2,009	2,101	2,093	2,376	2,335	2,294	2,341
33	Primary metals.....	23,955	25,210	26,599	27,024	28,521	28,595	28,955	30,248	28,010	25,032	25,619	25,893	25,117	29,818	29,029	29,456	28,342
331	Blast furnaces, steel mills..	13,970	14,989	15,977	16,171	17,168	16,897	16,926	17,439	15,742	14,710	15,139	15,482	14,862	17,400	16,634	16,898	16,310
333-6,9	Nonferrous and other primary metal products.....	6,978	7,053	7,392	7,522	8,062	8,425	8,557	9,008	8,476	7,243	7,264	7,200	6,988	8,822	8,639	8,775	8,302
34	Fabricated metal products.....	28,382	28,423	28,746	28,917	29,856	30,362	30,134	30,189	29,800	28,365	28,454	28,545	28,682	30,125	30,082	29,969	29,746
35	Machinery, except electrical...	71,857	73,738	74,713	74,526	75,440	75,578	74,602	74,396	72,650	72,488	73,387	73,820	73,990	75,434	75,161	73,515	72,144
351	Engines and turbines.....	18,592	18,429	18,605	18,194	18,413	18,474	18,241	17,905	17,864	18,655	18,518	18,764	18,317	18,273	18,417	18,066	18,098
353	Construction, mining, and material-handling equipment.	9,919	10,541	10,722	11,057	11,343	10,989	9,760	8,765	8,141	10,038	10,520	10,711	10,802	9,522	9,199	8,748	8,307
354	Metalworking machinery.....	4,326	4,597	4,830	5,234	5,736	6,459	7,035	7,292	7,661	4,322	4,570	4,797	5,255	7,108	7,255	7,248	7,360
356	General industrial machinery.	6,501	6,591	6,590	6,615	6,669	6,547	6,304	6,177	6,287	6,560	6,591	6,497	6,596	6,351	6,344	6,092	6,206

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry group	Seasonally adjusted									Not seasonally adjusted[1]							
		Monthly				Quarterly					Monthly							
											Last 4 months				Last 4 months a year ago			
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	III 1981	II 1981	I 1981	IV 1980	III 1980	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980
	INDUSTRY GROUP AND INDUSTRIES--Continued																	
	Durable goods industries--Continued																	
36	Electrical machinery.....	52,054	52,002	51,563	51,072	51,526	50,124	43,494	47,225	45,819	52,505	51,882	50,741	50,630	48,460	47,706	46,477	46,500
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	8,076	8,220	8,172	8,141	8,429	8,392	8,361	7,967	7,905	8,068	8,128	8,040	8,074	8,293	8,157	7,844	7,845
363	Household appliances.....	299	341	339	329	390	433	415	411	451	317	337	288	274	417	371	350	354
365	Radio and TV.....	418	482	468	431	697	378	482	346	422	399	390	418	409	498	318	311	251
366	Communication equipment.....	29,776	29,537	29,180	28,958	28,823	27,542	26,345	25,427	23,863	30,302	29,825	28,995	28,833	26,307	26,124	25,280	24,914
367	Electronic components.....	12,341	12,271	12,286	12,084	12,042	12,207	11,733	12,019	12,135	12,317	12,087	11,905	11,903	11,792	11,616	11,659	12,041
37	Transportation equipment.....	118,950	116,546	113,927	115,283	118,073	115,515	116,198	113,043	114,513	120,019	119,012	115,369	116,291	116,319	116,265	114,322	113,293
372,6	Aircraft, missiles, and parts.....	95,200	92,689	90,435	91,187	93,126	90,504	91,299	88,371	90,466	96,280	95,031	91,877	92,012	91,076	91,325	89,668	89,179
3731, 3795	Shipbuilding and military tank vehicles.....	16,932	16,847	16,387	16,944	17,303	16,953	16,478	16,087	15,421	16,767	16,805	16,398	17,129	16,647	16,330	16,068	15,489
38	Instruments and related products.....	7,378	7,132	7,160	7,290	7,067	7,056	7,012	6,987	6,863	7,298	7,098	7,112	7,145	7,001	6,970	6,942	6,695
25, 39	All other durable goods industries.....	4,782	4,783	4,646	4,642	4,853	4,955	4,915	4,267	4,050	4,567	4,514	4,337	4,488	4,484	4,220	4,021	3,948

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted									Not seasonally adjusted[1]							
		Monthly				Quarterly					Monthly							
											Last 4 months				Last 4 months a year ago			
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	III 1981	II 1981	I 1981	IV 1980	III 1980	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980
	TOTALS																	
	All manufacturing industries.....	276,385	275,711	276,414	279,544	276,616	269,709	266,524	257,980	256,835	277,986	276,648	274,790	277,405	266,053	262,735	256,584	255,399
	Manufacturing industries excluding transportation.....	236,693	236,163	236,703	239,294	237,192	231,081	228,413	221,170	221,393	237,896	237,103	235,796	236,988	227,872	225,085	220,480	219,434
	Manufacturing industries with unfilled orders.....	190,760	190,574	190,899	192,625	189,850	183,036	180,275	174,756	173,231	191,314	189,904	188,578	190,268	179,840	177,250	172,647	171,577
	Durable goods industries.....	184,800	184,593	185,226	187,275	185,140	178,676	176,229	171,603	170,163	186,070	184,607	183,148	185,149	176,849	174,255	169,616	168,354
	Durable goods with unfilled orders.....	169,818	169,589	169,927	171,569	169,027	162,821	160,227	155,430	153,986	170,592	169,361	168,092	169,779	160,058	157,847	153,761	152,771
	Nondurable goods industries.....	91,585	91,118	91,188	92,269	91,476	91,033	90,295	86,377	86,672	91,916	92,041	91,642	92,256	89,205	88,480	86,967	87,045
	Nondurable goods with unfilled orders.....	20,942	20,985	20,972	21,056	20,823	20,215	20,047	19,326	19,245	20,722	20,543	20,486	20,489	19,782	19,403	18,887	18,806
	MARKET CATEGORIES																	
	Home goods and apparel.....	22,555	22,717	22,773	23,064	21,982	21,410	21,201	20,663	20,395	22,333	22,291	21,914	21,814	20,837	20,492	19,895	19,451
	Consumer staples.....	33,272	33,083	33,005	33,020	33,142	32,658	32,880	32,201	31,988	33,482	33,732	33,516	33,991	32,728	33,166	32,732	33,616
	Equipment and defense products, except automotive.....	76,706	76,247	76,359	76,570	75,143	73,240	71,400	69,908	69,288	77,173	76,126	75,490	76,193	71,885	70,667	69,127	69,244
	Automotive equipment.....	10,855	11,007	11,364	11,570	11,714	11,530	11,775	11,872	11,589	11,178	11,284	11,129	11,743	12,045	12,111	11,604	11,461
	Construction materials, supplies, and intermediate products.....	21,950	22,244	22,575	22,901	23,006	22,393	21,602	21,266	20,809	22,468	22,280	22,210	22,109	22,045	21,414	20,927	20,278
	Other materials, supplies, and intermediate products.....	111,047	110,413	110,338	112,419	111,624	108,478	107,666	102,070	102,767	111,352	110,935	110,531	111,555	106,513	104,884	102,299	101,349
	SUPPLEMENTARY SERIES																	
	Household durable goods industries.....	10,837	10,902	10,880	11,037	10,719	10,250	10,236	9,992	9,980	10,799	10,721	10,594	10,627	10,119	9,901	9,730	9,584
	Capital goods industries.....	86,352	85,751	85,825	86,513	85,074	82,376	80,456	78,245	77,469	86,621	85,385	84,621	86,091	80,457	79,221	77,180	77,570
	Nondefense.....	72,317	71,946	72,183	72,972	72,055	69,676	68,473	67,224	67,021	72,625	71,748	71,233	72,666	68,866	67,948	66,381	66,842
	Defense.....	14,035	13,805	13,642	13,541	13,019	12,700	11,984	11,021	10,447	13,996	13,637	13,388	13,425	11,592	11,272	10,799	10,728
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass products	6,908	6,781	6,967	6,953	7,037	6,599	6,398	6,145	6,016	7,112	6,823	6,818	6,658	6,554	6,263	6,020	5,807
322	Glass containers.....	642	626	654	647	644	595	608	593	584	642	611	627	640	619	584	569	587
33	Primary metals.....	25,422	25,236	25,194	25,351	25,087	23,334	23,640	21,976	22,022	25,502	25,633	25,643	25,301	23,313	23,136	22,390	21,880
331	Blast furnaces, steel mills..	13,284	13,066	13,089	13,129	13,120	12,169	12,722	11,844	12,152	13,258	13,445	13,626	13,260	12,433	12,546	12,330	12,000
333-6, 9	Nonferrous and other primary metals.....	10,691	10,731	10,619	10,727	10,511	9,819	9,563	8,802	8,564	10,776	10,763	10,576	10,598	9,509	9,258	8,768	8,636
34	Fabricated metal products.....	20,376	20,630	20,314	20,733	20,440	19,973	19,812	19,773	19,395	20,472	20,426	19,979	20,159	20,132	19,926	19,394	18,957
341	Metal cans, barrels, and drums.....	1,552	1,513	1,343	1,510	1,573	1,571	1,637	1,744	1,578	1,569	1,454	1,193	1,291	1,841	1,765	1,548	1,402
35	Machinery, except electrical...	42,471	42,324	42,472	42,502	42,017	40,342	39,618	39,189	39,726	42,805	42,418	42,112	42,147	39,895	39,402	38,884	38,972
351	Engines and turbines.....	2,539	2,516	2,552	2,585	2,585	2,423	2,423	2,474	2,457	2,557	2,521	2,538	2,593	2,431	2,483	2,465	2,501
352	Farm machinery and equipment.	2,699	2,748	2,799	2,767	2,712	2,749	2,801	2,774	3,127	2,852	2,811	2,799	2,599	2,984	2,833	2,775	2,737
353	Construction, mining, and material-handling equipment.	9,817	9,648	9,764	9,623	9,213	8,789	8,469	8,446	8,650	9,974	9,773	9,715	9,546	8,495	8,471	8,421	8,502
354	Metalworking machinery.....	2,548	2,520	2,647	2,645	2,749	2,636	2,624	2,760	2,855	2,561	2,520	2,612	2,642	2,700	2,732	2,724	2,802
356	General industrial machinery.	3,923	3,938	3,876	3,984	3,872	3,753	3,603	3,561	3,627	3,962	3,974	3,845	3,924	3,677	3,648	3,534	3,518

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted									Not seasonally adjusted							
		Monthly				Quarterly					Monthly							
											Last 4 months				Last 4 months a year ago			
		Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	III 1981	II 1981	I 1981	IV 1980	III 1980	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980
	INDUSTRY GROUPS AND INDUSTRIES--Continued																	
	Durable goods industries--Continued																	
36	Electrical machinery	26,086	26,182	26,325	26,976	26,517	25,689	25,057	24,383	24,350	25,976	25,853	25,848	26,477	24,990	24,457	23,951	23,978
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,498	4,485	4,528	4,792	4,744	4,488	4,263	4,163	4,222	4,495	4,467	4,518	4,746	4,249	4,182	4,152	4,101
363	Household appliances	1,934	1,960	1,999	2,134	2,021	1,934	1,905	1,874	1,843	1,937	1,921	1,941	1,989	1,892	1,844	1,817	1,727
365	Radio and TV	1,805	1,820	1,762	1,783	1,664	1,492	1,444	1,311	1,292	1,732	1,744	1,725	1,712	1,361	1,314	1,282	1,241
366	Communication equipment	8,971	8,895	8,911	8,935	8,859	8,886	8,774	8,630	8,589	8,970	8,868	8,755	8,907	8,901	8,714	8,486	8,692
367	Electronic components	4,688	4,791	4,856	5,030	4,874	4,795	4,560	4,557	4,450	4,698	4,724	4,807	4,924	4,603	4,500	4,511	4,409
37	Transportation equipment	39,692	39,548	39,711	40,250	39,424	38,628	38,111	36,810	35,442	40,090	39,545	38,994	40,417	38,181	37,650	36,104	35,965
371	Motor vehicles and parts	8,550	8,641	8,970	9,094	9,316	9,275	9,605	9,694	9,409	8,733	8,832	8,691	9,331	9,769	9,829	9,393	9,388
372,6	Aircraft, missiles, and parts	26,919	26,557	26,286	26,499	25,468	24,820	24,001	22,918	21,835	27,147	26,382	25,921	26,303	23,957	23,490	22,594	22,259
3731, 3795	Shipbuilding and military tank vehicles	2,347	2,424	2,462	2,573	2,596	2,636	2,612	2,265	2,105	2,238	2,331	2,337	2,705	2,434	2,288	2,145	2,344
38	Instruments and related products	9,727	9,606	9,765	9,771	9,738	9,603	9,380	9,281	9,037	9,731	9,567	9,493	9,571	9,376	9,287	9,020	9,051
381-4	Scientific and engineering	6,940	6,812	6,910	6,963	6,912	6,842	6,593	6,474	6,309	6,960	6,839	6,827	6,865	6,599	6,518	6,391	6,350
386	Photographic goods	2,302	2,307	2,375	2,316	2,342	2,247	2,259	2,243	2,172	2,286	2,256	2,199	2,225	2,230	2,219	2,079	2,150
24, 25, 39	All other durable goods industries	14,118	14,286	14,478	14,729	14,880	14,508	14,213	14,046	14,175	14,382	14,342	14,261	14,419	14,406	14,135	13,854	13,744
	Nondurable goods industries:																	
20	Food and kindred products	21,065	21,071	21,101	21,619	21,826	21,862	22,237	22,325	22,368	21,303	21,763	21,739	22,840	22,343	22,877	23,060	23,992
201	Meat products	2,120	2,071	2,013	2,086	2,067	2,267	2,272	2,271	2,138	2,152	2,079	1,987	2,150	2,310	2,290	2,239	2,428
208	Beverages	3,812	3,842	3,873	3,824	3,863	3,743	3,909	3,866	3,770	3,915	3,881	3,881	3,839	3,914	3,930	3,874	3,809
207	Fats and oils	1,553	1,719	1,593	1,741	1,696	1,648	1,792	2,055	2,388	1,740	1,882	1,793	2,002	2,025	2,149	2,318	2,609
203-6,9	All other foods	11,752	11,641	11,866	12,267	12,481	12,456	12,476	12,428	12,480	11,752	12,177	12,389	13,162	12,386	12,790	12,987	13,490
21	Tobacco products	4,309	4,343	4,243	4,036	3,966	3,570	3,689	3,507	3,628	4,610	4,634	4,494	4,145	3,855	3,946	3,715	3,797
22	Textile mill products	6,393	6,469	6,683	6,709	6,642	6,604	6,518	6,386	6,102	6,514	6,496	6,504	6,459	6,647	6,466	6,212	6,027
26	Paper and allied products	8,844	8,738	8,817	8,822	8,588	8,332	8,286	7,798	7,818	8,735	8,582	8,721	8,698	8,134	7,944	7,718	7,712
261-3	Pulp, paper, etc.	3,358	3,327	3,301	3,291	3,123	3,018	2,972	2,794	2,894	3,324	3,275	3,289	3,264	2,968	2,874	2,785	2,824
265	Paperboard containers	2,348	2,321	2,385	2,403	2,337	2,255	2,188	1,973	1,971	2,310	2,289	2,347	2,357	2,101	2,047	1,942	1,918
264	All other paper containers	3,138	3,090	3,131	3,123	3,128	3,059	3,126	3,032	2,953	3,101	3,018	3,085	3,077	3,065	3,022	2,991	2,970
28	Chemicals and allied products	20,575	20,449	20,438	20,755	20,363	20,218	19,488	18,489	18,478	20,973	20,822	20,709	20,622	19,573	19,221	18,748	18,482
281,6	Industrial chemicals, except pigments	6,762	6,737	6,788	6,884	6,810	6,961	6,693	6,244	6,200	6,864	6,892	6,910	6,891	6,651	6,587	6,363	6,300
283,4	Drugs, soap, and toiletries	6,214	6,166	6,041	5,994	5,867	5,839	5,819	5,612	5,596	6,133	6,098	5,987	5,964	5,706	5,655	5,568	5,677
29	Petroleum and coal products	9,054	8,710	8,680	8,663	9,206	9,996	9,885	8,240	8,805	8,729	8,825	8,948	8,986	8,795	8,536	8,495	8,431
30	Rubber and plastics products, n.e.c.	5,506	5,438	5,508	5,801	5,703	5,634	5,538	5,279	5,232	5,591	5,525	5,550	5,590	5,623	5,405	5,319	5,050
23, 27, 31	All other nondurable goods industries	15,839	15,900	15,713	15,864	15,182	14,817	14,656	14,353	14,243	15,461	15,394	14,977	14,916	14,233	14,086	13,700	13,554

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

Industry	Seasonally adjusted									Not seasonally adjusted							
	Monthly				Quarterly					Monthly							
										Last 4 months				Last 4 months a year ago			
	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	III 1981	II 1981	I 1981	IV 1980	III 1980	Feb. 1982[p]	Jan. 1982[r]	Dec. 1981	Nov. 1981	Feb. 1981	Jan. 1981	Dec. 1980	Nov. 1980
TOTALS																	
All manufacturing industries	276,385	275,711	276,414	279,544	276,616	269,709	266,524	257,980	256,835	277,986	276,648	274,790	277,405	266,053	262,735	256,584	255,399
Durable goods industries	184,800	184,593	185,226	187,275	185,140	178,676	176,229	171,603	170,163	186,070	184,607	183,148	185,149	176,849	174,255	169,616	168,354
Stone, clay, and glass products	6,908	6,781	6,967	6,953	7,037	6,599	6,398	6,145	6,016	7,112	6,823	6,818	6,658	6,554	6,263	6,020	5,807
Primary metals	25,422	25,236	25,194	25,361	25,087	23,334	23,640	21,976	22,022	25,502	25,633	25,643	25,301	23,313	23,136	22,390	21,880
Fabricated metals	20,376	20,630	20,314	20,733	20,440	19,973	19,812	19,773	19,395	20,472	20,426	19,979	20,159	20,132	19,926	19,394	18,957
Nonelectrical machinery	42,471	42,324	42,472	42,502	42,017	40,342	39,618	39,189	39,726	42,805	42,418	42,112	42,147	39,895	39,402	38,884	38,972
Electrical machinery	26,086	26,182	26,325	26,976	26,517	25,689	25,057	24,383	24,350	25,976	25,853	25,848	26,477	24,990	24,457	23,951	23,978
Transportation equipment	39,692	39,548	39,711	40,250	39,424	38,628	38,111	36,810	35,442	40,090	39,545	38,994	40,417	38,181	37,650	36,104	35,965
Instruments and related products	9,727	9,606	9,765	9,771	9,738	9,603	9,380	9,281	9,037	9,731	9,567	9,493	9,571	9,376	9,287	9,020	9,051
All other durable goods industries	14,118	14,286	14,478	14,729	14,880	14,508	14,213	14,046	14,175	14,382	14,342	14,261	14,419	14,406	14,135	13,854	13,744
Nondurable goods industries	91,585	91,118	91,188	92,269	91,476	91,033	90,295	86,377	86,672	91,916	92,041	91,642	92,256	89,205	88,480	86,967	87,045
Chemicals and allied products	20,575	20,449	20,438	20,755	20,363	20,218	19,488	18,489	18,478	20,973	20,822	20,709	20,622	19,573	19,221	18,748	18,482
Petroleum and coal products	9,054	8,710	8,680	8,663	9,206	9,996	9,885	8,240	8,805	8,729	8,825	8,948	8,986	8,795	8,536	8,495	8,431
Rubber and plastics products, n.e.c.	5,506	5,438	5,508	5,801	5,703	5,634	5,538	5,279	5,232	5,591	5,525	5,550	5,590	5,623	5,405	5,319	5,050
All other nondurable goods industries	56,450	56,521	56,562	57,050	56,204	55,185	55,385	54,369	54,158	56,623	56,869	56,435	57,058	55,213	55,319	54,405	55,082
MATERIALS AND SUPPLIES																	
All manufacturing industries	93,348	93,859	93,946	94,762	94,187	92,127	91,907	89,380	88,701	93,259	94,259	94,466	94,099	92,172	91,833	89,960	88,312
Durable goods industries	56,556	56,846	56,824	57,740	57,495	55,816	55,495	53,808	53,587	56,259	56,872	57,045	57,615	55,599	55,326	53,998	53,042
Stone, clay, and glass products	2,723	2,619	2,689	2,684	2,719	2,691	2,532	2,446	2,278	2,711	2,651	2,723	2,648	2,557	2,500	2,477	2,289
Primary metals	9,487	9,332	9,357	9,426	9,315	8,849	9,401	8,924	9,000	9,378	9,495	9,786	9,601	9,418	9,593	9,328	9,029
Fabricated metals	7,360	7,592	7,447	7,720	7,604	7,272	7,420	7,249	7,081	7,229	7,520	7,424	7,483	7,633	7,330	7,200	6,968
Nonelectrical machinery	11,594	11,768	11,390	11,562	11,482	11,212	10,843	10,993	11,176	11,558	11,735	11,417	11,507	10,910	10,964	11,022	10,990
Electrical machinery	7,590	7,686	7,618	7,903	7,798	7,581	7,340	7,229	7,379	7,502	7,567	7,559	7,647	7,407	7,378	7,173	7,096
Transportation equipment	9,550	9,512	9,986	9,807	9,931	9,762	9,594	8,836	8,274	9,604	9,518	9,730	10,071	9,310	9,133	8,597	8,494
Instruments and related products	2,816	2,916	2,832	2,899	2,854	2,885	2,845	2,786	2,852	2,793	2,903	2,826	2,868	2,831	2,965	2,777	2,763
All other durable goods industries	5,436	5,421	5,505	5,739	5,792	5,564	5,520	5,345	5,547	5,484	5,483	5,580	5,790	5,533	5,463	5,424	5,413
Nondurable goods industries	36,792	37,013	37,122	37,022	36,692	36,311	36,412	35,572	35,114	37,000	37,387	37,421	36,484	36,573	36,507	35,962	35,270
Chemicals and allied products	7,873	7,971	7,923	7,917	7,921	7,994	7,875	7,668	7,365	7,859	7,998	7,938	7,720	7,914	7,789	7,698	7,453
Petroleum and coal products	2,330	2,319	2,326	2,147	2,214	2,581	2,474	2,176	2,324	2,238	2,289	2,298	2,235	2,364	2,262	2,154	2,212
Rubber and plastics products, n.e.c.	2,266	2,309	2,321	2,312	2,347	2,345	2,373	2,250	2,085	2,200	2,305	2,382	2,336	2,301	2,301	2,307	2,045
All other nondurable goods industries	24,323	24,414	24,552	24,646	24,210	23,391	23,690	23,478	23,340	24,703	24,795	24,803	24,193	23,994	24,155	23,803	23,560
WORK IN PROCESS																	
All manufacturing industries	98,908	98,657	98,619	99,637	98,651	96,376	95,366	92,042	90,648	99,405	98,403	97,334	99,388	95,276	93,928	90,789	90,616
Durable goods industries	84,444	84,219	84,246	85,574	84,083	81,769	80,584	77,935	76,691	85,070	84,071	83,006	84,873	80,708	79,624	76,725	76,699
Stone, clay, and glass products	1,018	999	1,023	1,003	1,044	929	933	851	857	1,064	990	949	927	962	891	790	781
Primary metals	10,266	10,191	9,941	9,944	9,888	9,107	8,951	7,960	7,999	10,272	10,268	9,961	9,831	8,657	8,529	7,972	7,885
Fabricated metals	8,050	8,036	8,004	8,129	7,911	7,886	7,815	7,797	7,602	8,123	7,912	7,722	7,888	7,731	7,867	7,509	7,416
Nonelectrical machinery	18,063	17,986	18,463	18,764	18,537	17,828	17,844	17,556	17,791	18,242	18,186	18,322	18,767	18,066	17,954	17,427	17,570
Electrical machinery	13,456	13,416	13,551	13,714	13,551	13,290	12,893	12,452	12,116	13,432	13,290	13,282	13,628	12,851	12,472	12,206	12,258
Transportation equipment	25,908	25,930	25,536	26,337	25,499	25,022	24,600	23,902	23,156	26,186	25,791	25,187	26,232	24,881	24,519	23,541	23,508
Instruments and related products	4,380	4,197	4,289	4,242	4,238	4,176	4,059	4,064	3,882	4,405	4,203	4,155	4,183	4,088	3,921	3,934	3,997
All other durable goods industries	3,303	3,464	3,439	3,436	3,415	3,531	3,489	3,353	3,288	3,346	3,431	3,428	3,417	3,472	3,471	3,346	3,284
Nondurable goods industries	14,464	14,438	14,373	14,063	14,568	14,607	14,782	14,107	13,957	14,335	14,332	14,328	14,515	14,568	14,304	14,064	13,917
Chemicals and allied products	2,654	2,677	2,600	2,599	2,718	2,715	2,740	2,508	2,568	2,654	2,667	2,639	2,674	2,647	2,600	2,546	2,494
Petroleum and coal products	2,724	2,536	2,698	2,341	2,669	2,654	2,726	2,651	2,624	2,643	2,496	2,688	2,514	2,808	2,736	2,643	2,505
Rubber and plastics products, n.e.c.	1,067	1,026	1,048	1,057	1,055	1,031	1,006	912	907	1,086	1,063	1,065	1,077	1,023	974	929	944
All other nondurable goods industries	8,019	8,199	8,027	8,066	8,126	8,207	8,310	8,036	7,858	7,952	8,106	7,936	8,250	8,090	7,994	7,946	7,974
FINISHED GOODS																	
All manufacturing industries	84,129	83,195	83,849	85,145	83,778	81,206	79,252	76,557	77,488	85,322	83,986	82,990	83,918	78,602	76,977	75,833	76,471
Durable goods industries	43,800	43,528	44,156	43,961	43,562	41,091	40,149	39,860	39,885	44,741	43,664	43,097	42,661	40,540	39,306	38,893	38,613
Stone, clay, and glass products	3,167	3,163	3,255	3,261	3,274	2,979	2,933	2,848	2,881	3,337	3,182	3,146	3,083	3,035	2,872	2,753	2,737
Primary metals	5,669	5,713	5,896	5,991	5,884	5,378	5,288	5,092	5,023	5,852	5,870	5,896	5,869	5,238	5,014	5,090	4,966
Fabricated metals	4,966	5,002	4,863	4,884	4,925	4,815	4,577	4,727	4,712	5,120	4,994	4,833	4,788	4,768	4,729	4,685	4,573
Nonelectrical machinery	12,814	12,570	12,619	12,176	11,998	11,302	10,931	10,640	10,759	13,005	12,497	12,373	11,873	10,919	10,484	10,435	10,412
Electrical machinery	5,040	5,080	5,156	5,359	5,168	4,818	4,824	4,702	4,855	5,042	4,996	5,007	5,202	4,732	4,607	4,572	4,624
Transportation equipment	4,234	4,106	4,189	4,106	3,994	3,844	3,917	4,072	4,012	4,300	4,236	4,077	4,114	3,990	3,998	3,966	3,963
Instruments and related products	2,531	2,493	2,644	2,630	2,646	2,542	2,476	2,431	2,303	2,533	2,461	2,512	2,520	2,457	2,401	2,309	2,291
All other durable goods industries	5,379	5,401	5,534	5,554	5,673	5,413	5,203	5,348	5,340	5,552	5,428	5,253	5,212	5,401	5,201	5,083	5,047
Nondurable goods industries	40,329	39,667	39,693	41,184	40,216	40,115	39,103	36,697	37,603	40,581	40,322	39,893	41,257	38,062	37,671	36,940	37,858
Chemicals and allied products	10,048	9,801	9,915	10,239	9,724	9,509	8,873	8,313	8,545	10,460	10,157	10,132	10,228	9,012	8,832	8,504	8,535
Petroleum and coal products	4,000	3,855	3,656	4,175	4,323	4,761	4,685	3,413	3,857	3,848	4,040	3,962	4,237	3,623	3,538	3,698	3,714
Rubber and plastics products, n.e.c.	2,173	2,103	2,139	2,432	2,301	2,258	2,159	2,117	2,240	2,305	2,157	2,103	2,177	2,299	2,130	2,083	2,061
All other nondurable goods industries	24,108	23,908	23,983	24,338	23,868	23,587	23,386	22,854	22,961	23,968	23,968	23,696	24,615	23,128	23,171	22,655	23,548

[p]Preliminary. [r]Revised.

Table 6. PERCENT CHANGES AND REVISIONS FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revision[2]		
	Month-to-month			Average monthly rate of change[1]				Year ago Feb. 1981	Average monthly	
	Jan.-Feb. 1982	Dec. 1981-Jan. 1982	Nov.-Dec. 1981	Fourth quarter 1981	Third quarter 1981	Second quarter 1981	Mar. 1981 through Feb. 1982		Feb. 1981 through Jan. 1982	Feb. 1977-1981
Shipments:										
All manufacturing industries.....	+1.7	-2.5	-0.6	-1.5	-0.6	+1.1	-0.3	0.1	0.2	0.1
Durable goods industries.....	+2.7	-4.1	-0.6	-2.0	-1.0	+1.4	-0.4	0.3	0.4	0.3
Nondurable goods industries.....	+0.8	-1.0	-0.5	-1.0	-0.1	+0.8	-0.2	0.7	0.3	0.5
Inventories:										
All manufacturing industries.....	+0.2	-0.3	-1.1	0.0	+0.8	+0.4	+0.4	0.4	0.1	0.0
New orders:										
All manufacturing industries.....	+0.9	-1.4	-0.3	-1.8	-0.5	+0.7	-0.4	0.9	0.3	0.4
Durable goods industries.....	+1.7	-2.1	-0.2	-2.6	-0.8	+0.6	-0.6	1.0	0.6	0.6
Nondurable goods industries.....	+0.1	-0.8	-0.3	-1.0	-0.2	+0.8	-0.2	0.8	0.4	0.5
Unfilled orders:										
Durable goods industries.....	-0.2	+0.1	-0.4	-0.8	+0.3	+0.2	0.0	0.2	0.1	0.1

- Represents zero.

[1]Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.
[2]The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio[1] (months' backlog)			
	Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981	Feb. 1982p	Jan. 1982r	Dec. 1981	Nov. 1981
All manufacturing industries.....	1.73	1.76	1.72	1.73	3.76	3.86	3.74	3.72
Durable goods industries.....	2.31	2.37	2.28	2.29	4.56	4.66	4.51	4.49
Stone, clay, and glass products.....	1.80	1.75	1.82	1.80	0.59	0.60	0.68	0.67
Primary metals.....	2.58	2.39	2.57	2.38	2.43	2.39	2.71	2.54
Fabricated metals.....	2.15	2.25	2.15	2.18	3.29	3.42	3.36	3.33
Machinery, except electrical.....	2.45	2.59	2.44	2.44	4.41	4.77	4.60	4.57
Electrical machinery.....	2.31	2.37	2.36	2.36	4.62	4.70	4.62	4.47
Transportation equipment.....	2.40	2.59	2.28	2.40	11.76	12.44	10.61	11.25
Instruments and related products.....	2.48	2.45	2.30	2.36	1.88	1.82	1.69	1.76
Nondurable goods industries.....	1.15	1.15	1.14	1.15	0.57	0.62	0.60	0.62
Food and kindred products.....	0.94	0.96	0.99	1.01	(X)	(X)	(X)	(X)
Tobacco products.....	3.62	3.67	3.56	3.44	(X)	(X)	(X)	(X)
Textile mill products.....	1.59	1.70	1.73	1.71	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.36	1.34	1.35	1.35	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.36	1.36	1.29	1.35	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.64	0.58	0.56	0.55	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.47	1.48	1.49	1.59	(X)	(X)	(X)	(X)

(NA) Not available. pPreliminary. rRevised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

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